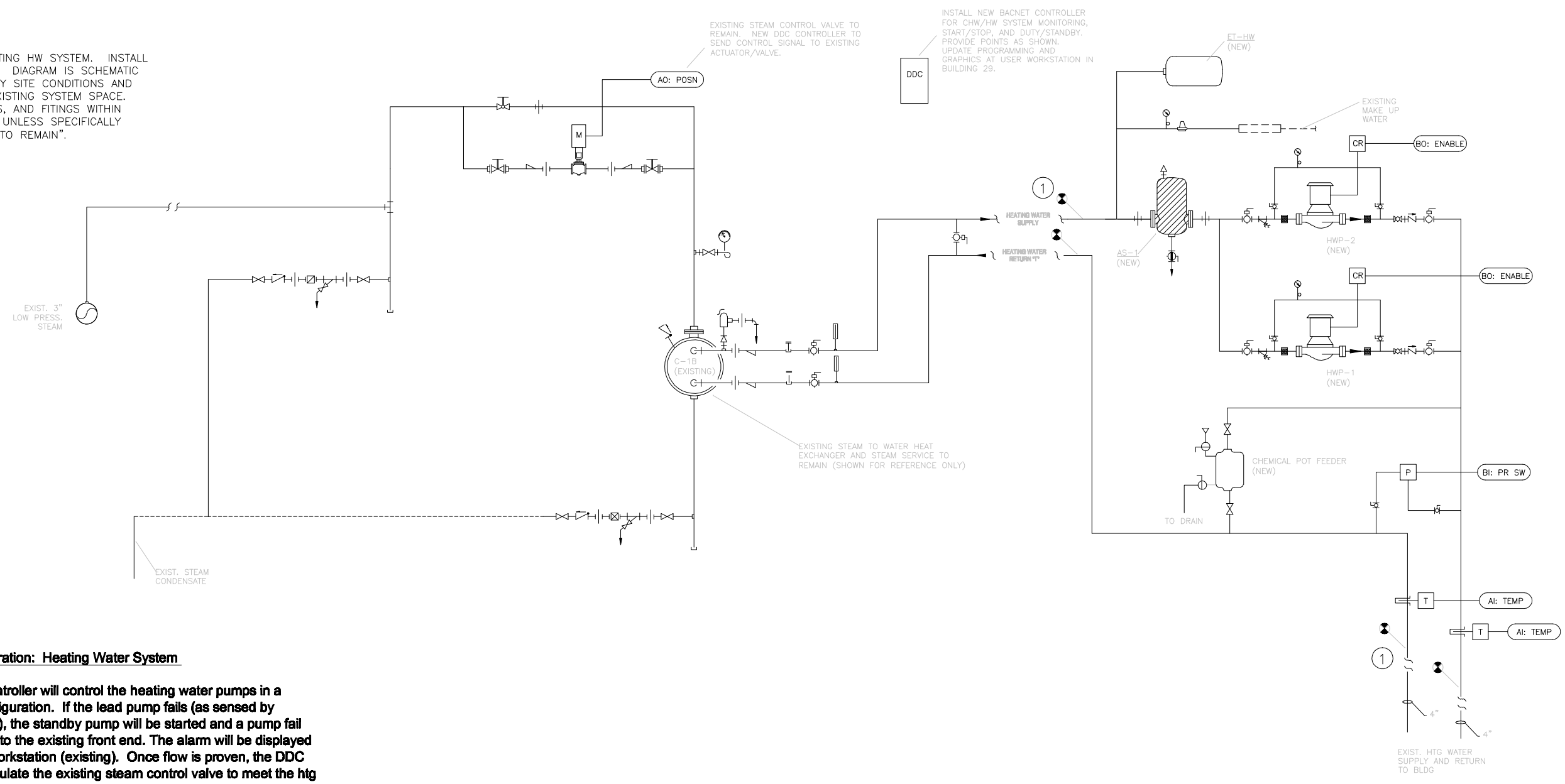
NOTES:

(1) DEMO AND REMOVE EXISTING HW SYSTEM. INSTALL NEW SYSTEM AS SHOWN. DIAGRAM IS SCHEMATIC IN NATURE. FIELD VERIFY SITE CONDITIONS AND FIT NEW SYSTEM INTO EXISTING SYSTEM SPACE. ALL PIPING, ACCESSORIES, AND FITINGS WITHIN PROJECT SCOPE IS NEW UNLESS SPECIFICALLY IDENTIFIED AS "EXISTING TO REMAIN".



Sequence of Operation: Heating Water System

The new DDC controller will control the heating water pumps in a duty/standby configuration. If the lead pump fails (as sensed by system DP switch), the standby pump will be started and a pump fail alarm will be sent to the existing front end. The alarm will be displayed on the operator workstation (existing). Once flow is proven, the DDC controller will modulate the existing steam control valve to meet the htg water loop setpoint. Loop temperatures (supply and return water temperature) and equipment status (pumps, steam valve posn) will be graphically represented at the operator workstation

01 HEATING WATER PIPING AND CONTROLS DIAGRAM
SCALE: NONE

Notes and/or Revisions:	Date

CUSTOM VA FORM 08-6231B, MAR 2008

Approved: Medical Center Director

Approved: Medical Center Associate Director

Project Title: REPLACE CHILLER & PUMPS B-4

Measures one inch or not to scale! 0 1"

Scale: NO SCALE

Drawing Title: HEATING WATER PIPING & DDC

Location: VA Medical Center - Fayetteville, AR

Checked: SW | Drawn: ENG | Date: 13AUG2011

Project Number: 564-11-168

Building Number: FOUR

Drawing Number: M-3

Sheet: 3 of 3

Engineering Service

Department of Veterans Affairs